

NESTED REMOVABLE-REMOVABLE EXPANSION MODULES

Inventor(s): Kevin J. Mills, et al

Agent Docket No.: SC.2002.9

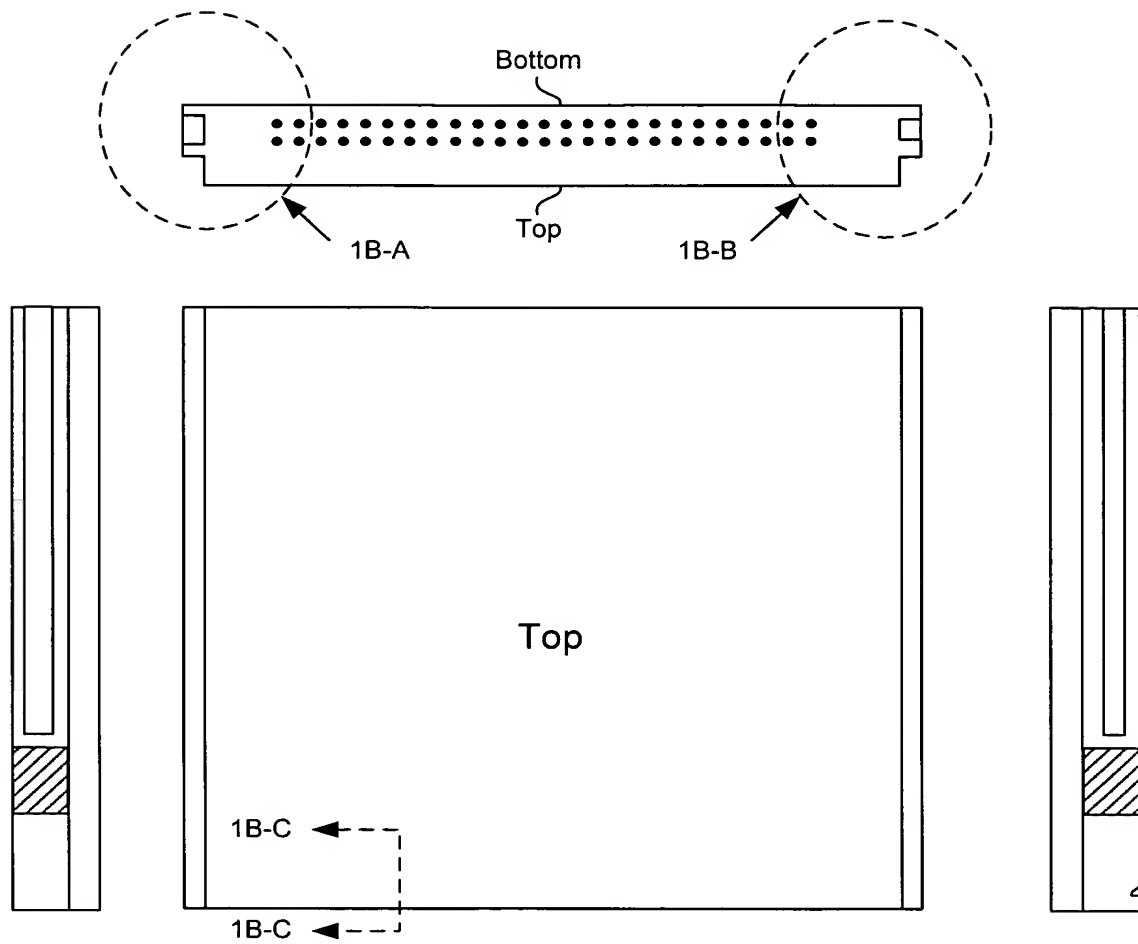


FIG. 1A
(PRIOR ART)

NESTED REMOVABLE-REMOVABLE EXPANSION MODULES

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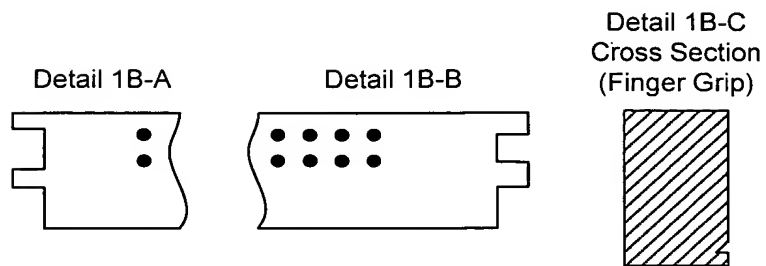


FIG. 1B
(PRIOR ART)

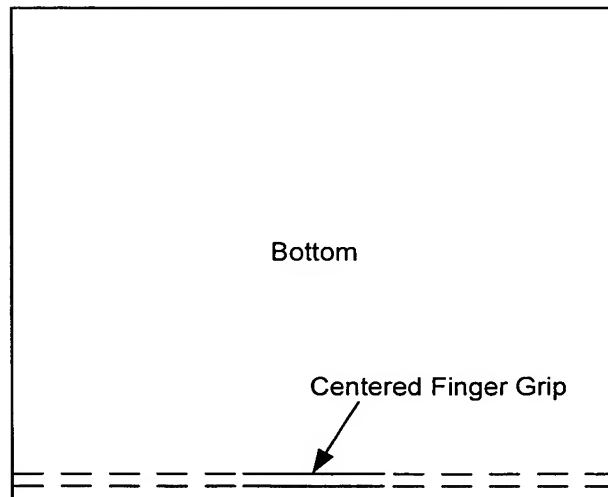


FIG. 1C
(PRIOR ART)

NESTED REMOVABLE-REMOVABLE EXPANSION MODULES

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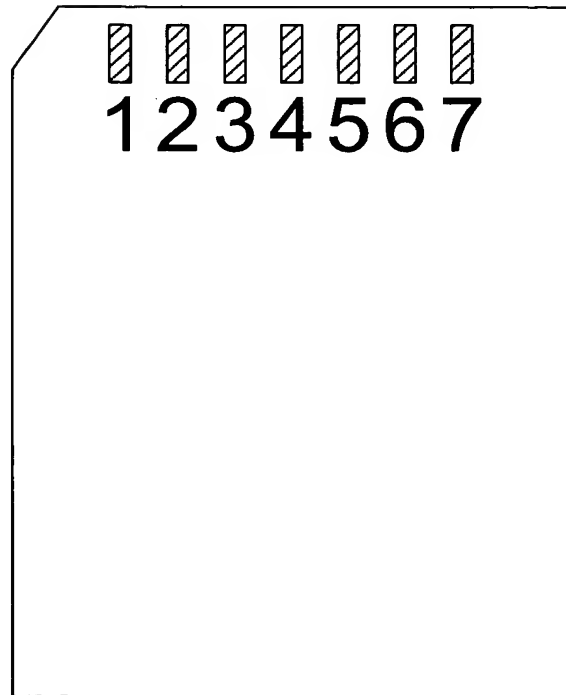


FIG. 2A
(PRIOR ART)

Legend

| Pin No. | Name | Type | Description |
|---------|------------------|--------------------------|-------------------------|
| 1 | RSV | NC | Reserved for future use |
| 2 | CMD | I/O/Push-Pull/Open-Drain | Command/Response |
| 3 | V _{SS1} | Supply | Supply voltage ground |
| 4 | V _{DD} | Supply | Supply voltage |
| 5 | CLK | I | Clock |
| 6 | V _{SS2} | Supply | Supply voltage ground |
| 7 | DAT | I/O/Push-Pull | Data |

FIG. 2B
(PRIOR ART)

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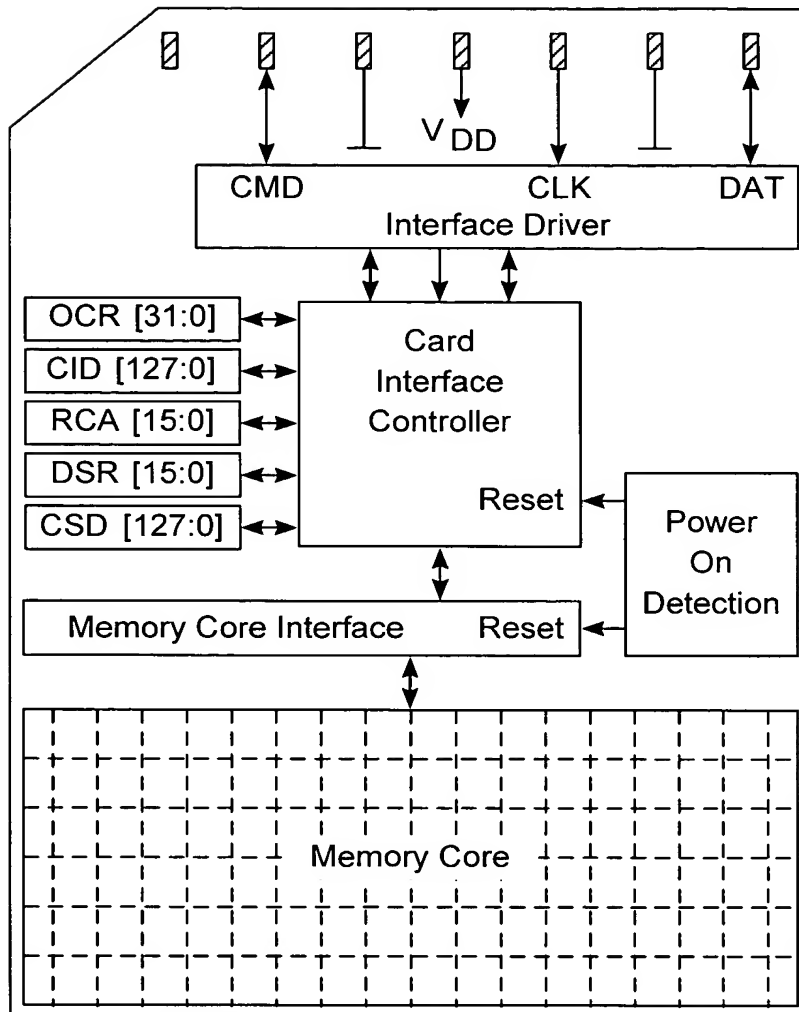


FIG. 3A
(PRIOR ART)

Legend

| Name | Width | Description |
|------|-------|--|
| CID | 128 | Card identification number, card individual number for identification. Mandatory. |
| RCA | 16 | Relative card address, local system address of a card, dynamically assigned by the host during initialization. Mandatory. |
| DSR | 16 | Driver stage register to configure the card's output drivers. Optional. |
| CSD | 128 | Card specific data, information about the card operation conditions. Mandatory. |
| OCR | 32 | Operation condition register for cards which do not support the full voltage range. Used by a special broad-cast command to detect restricted cards. Optional. |

FIG. 3B
(PRIOR ART)

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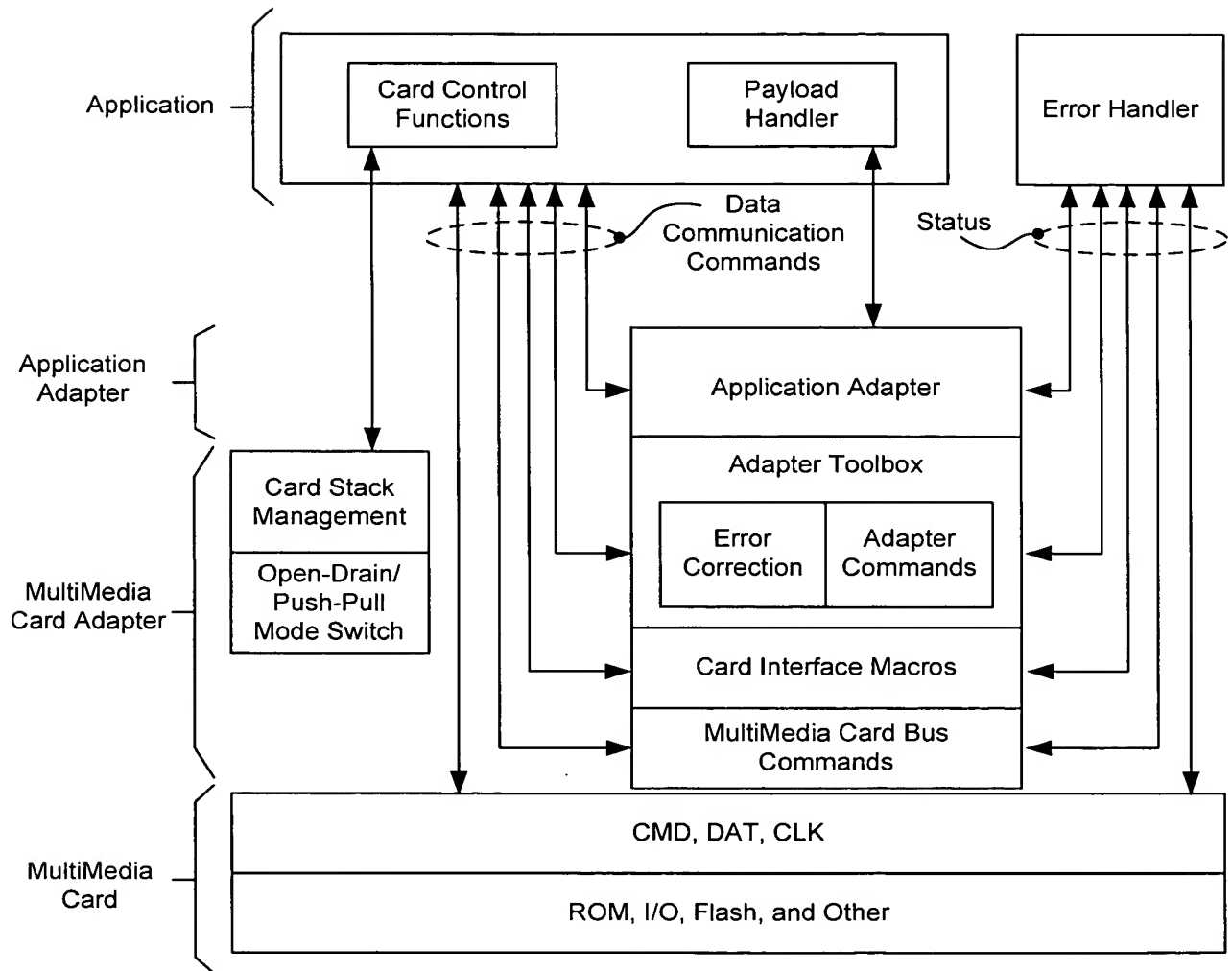


FIG. 4
(PRIOR ART)

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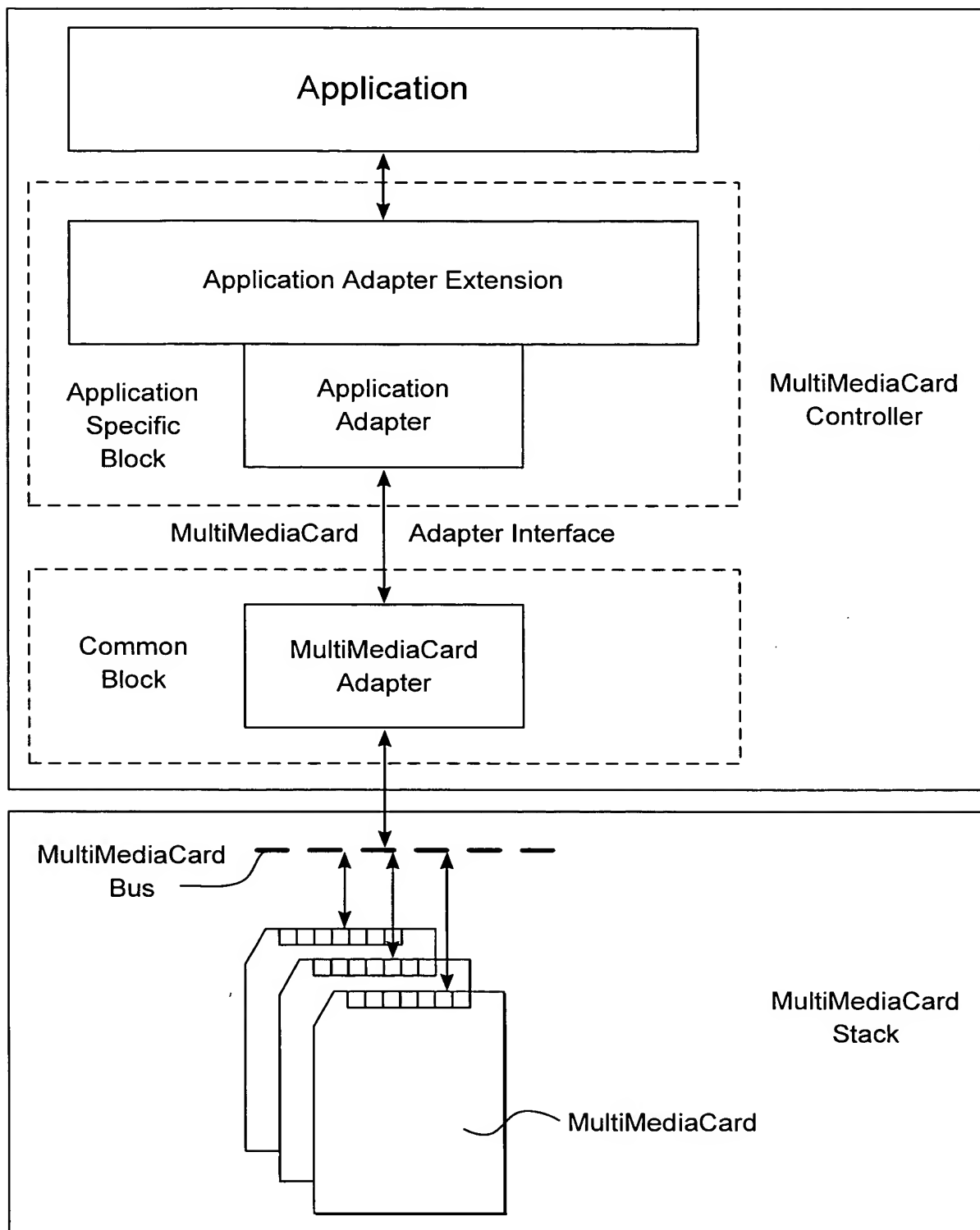


FIG. 5
(PRIOR ART)

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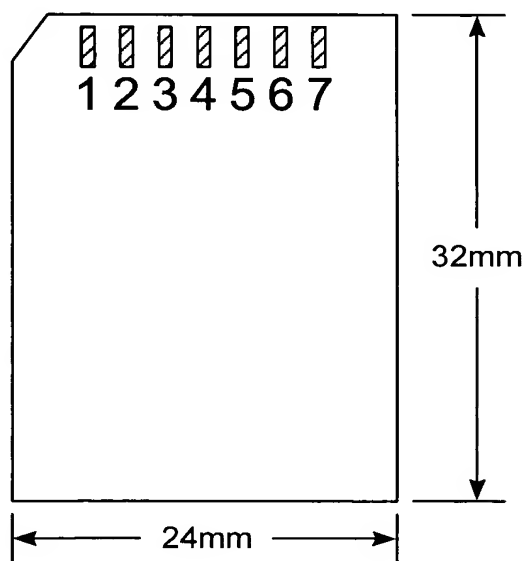
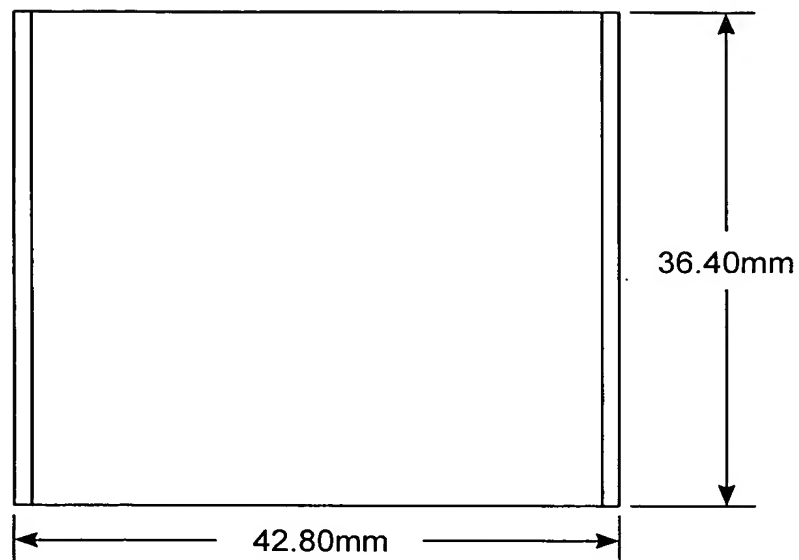


FIG. 6A
(PRIOR ART)

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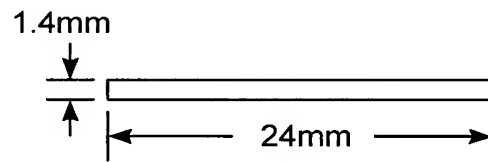
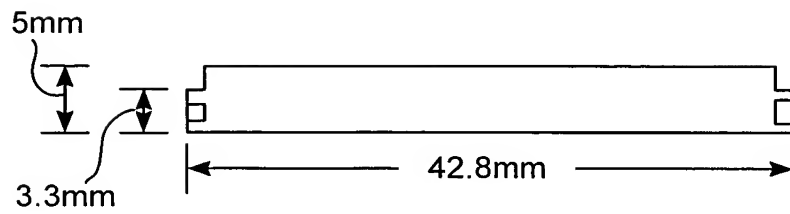


FIG. 6B
(PRIOR ART)

NESTED REMOVABLE-REMOVABLE EXPANSION MODULES

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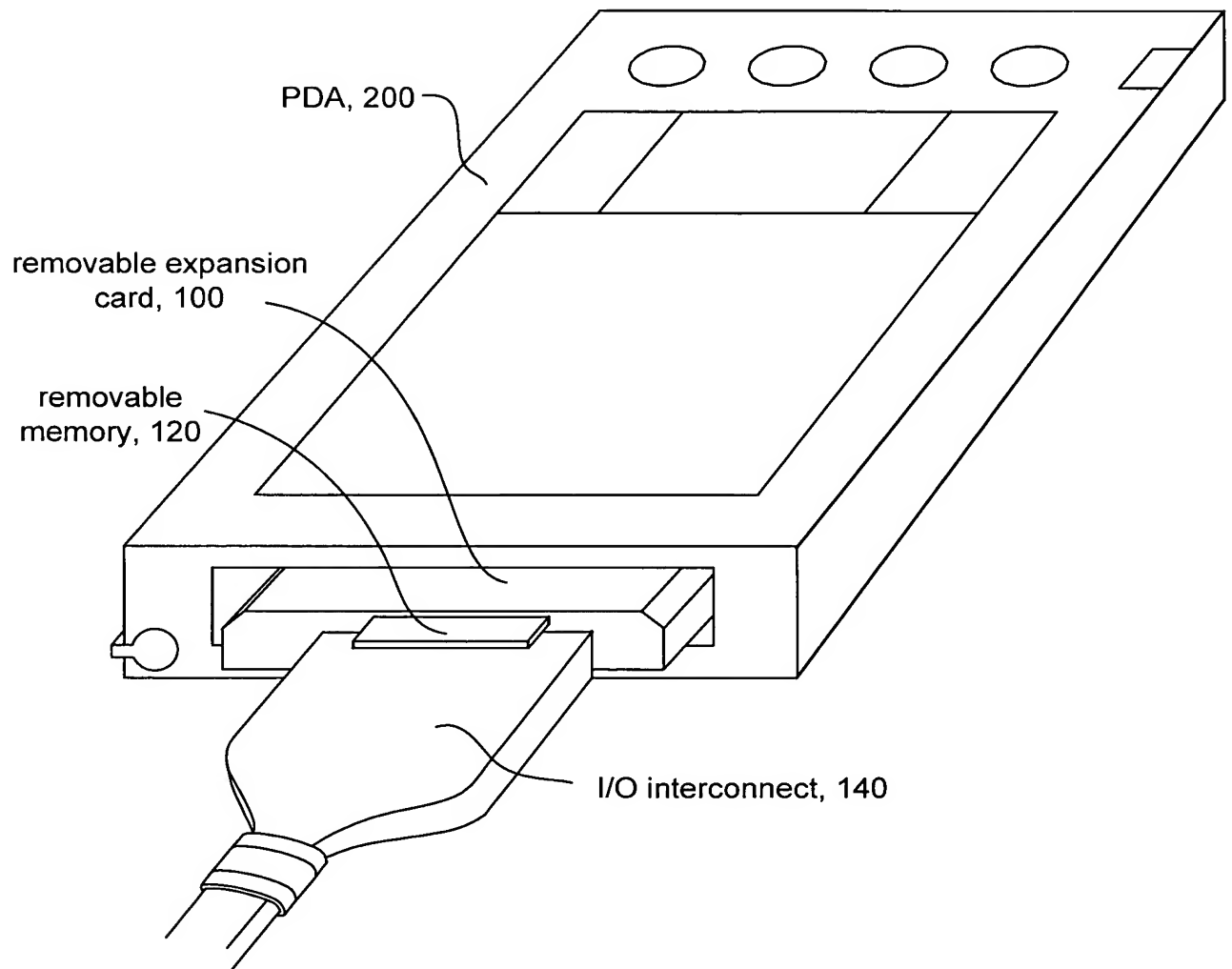


FIG. 7

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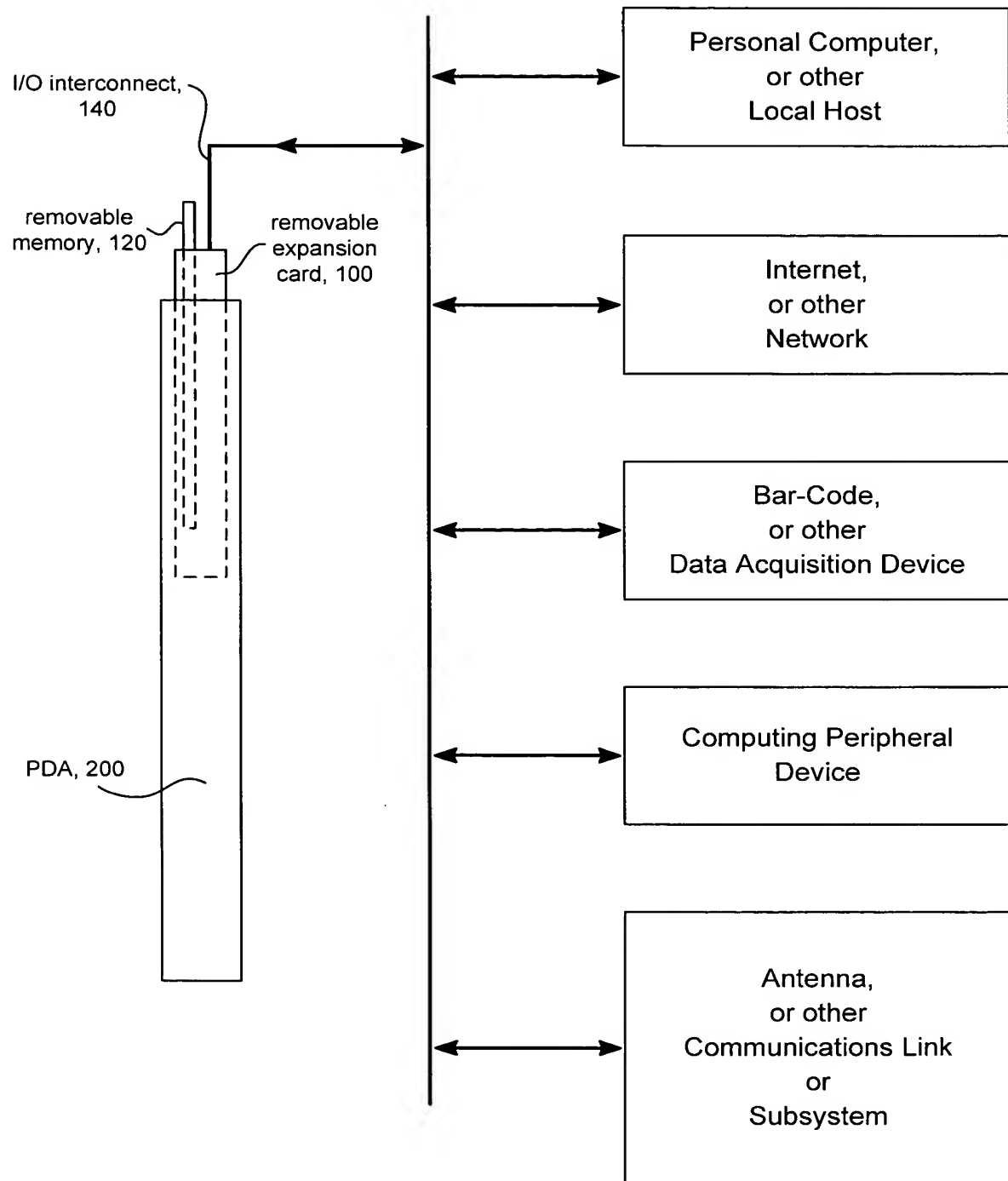


FIG.8

NESTED REMOVABLE-REMOVABLE EXPANSION MODULES

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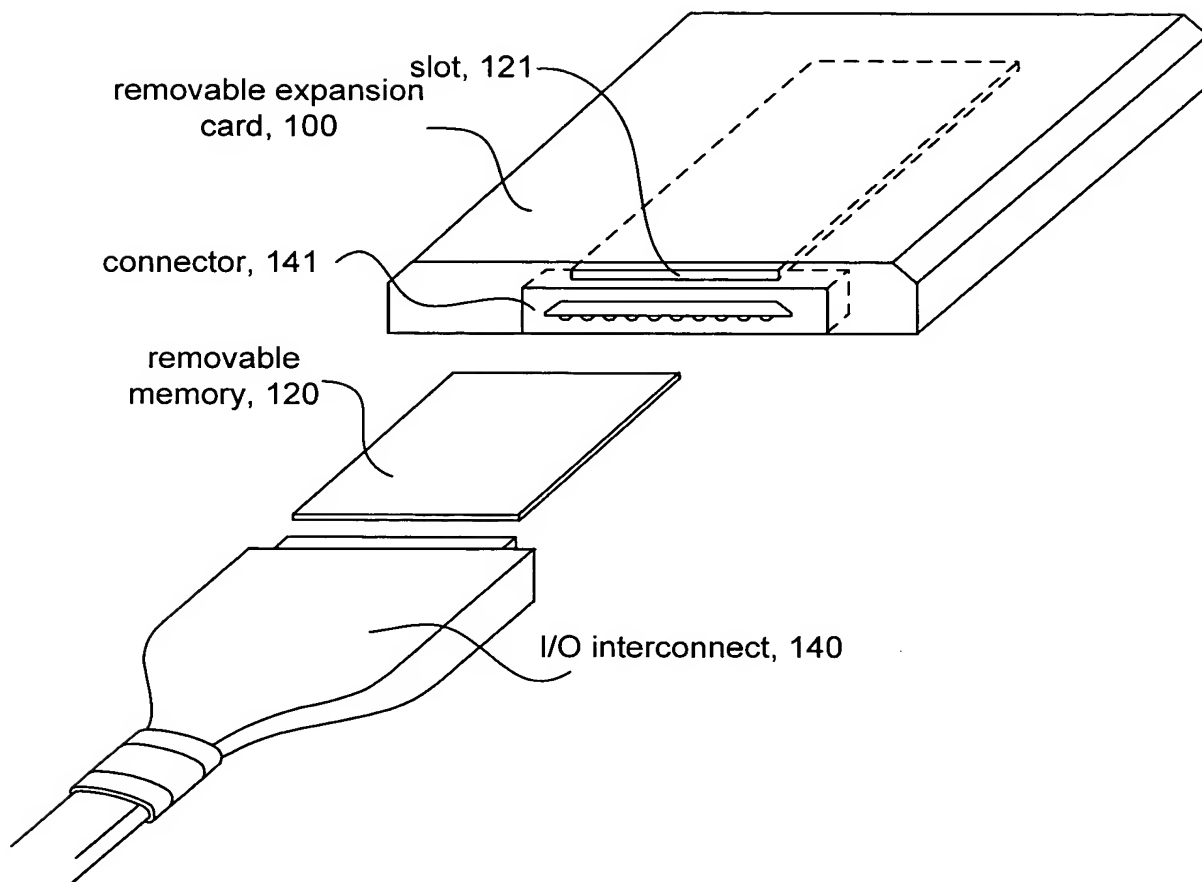


FIG. 9

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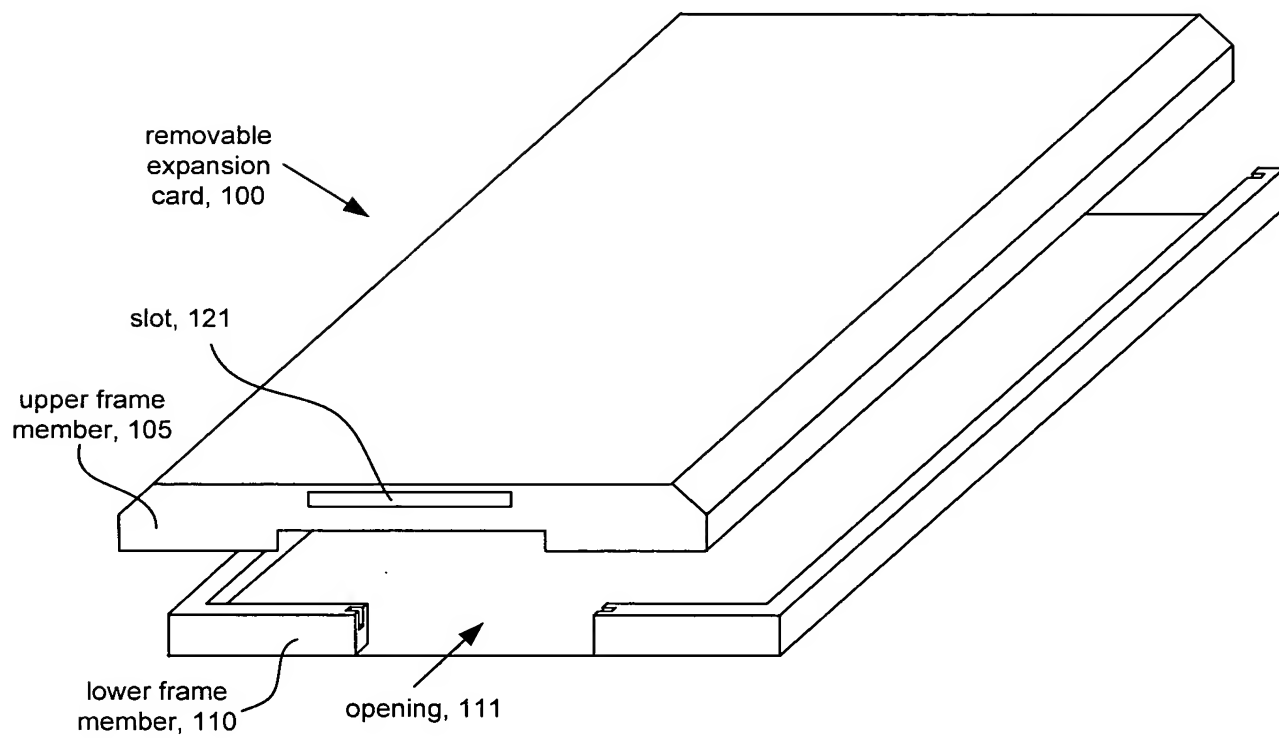


FIG. 10

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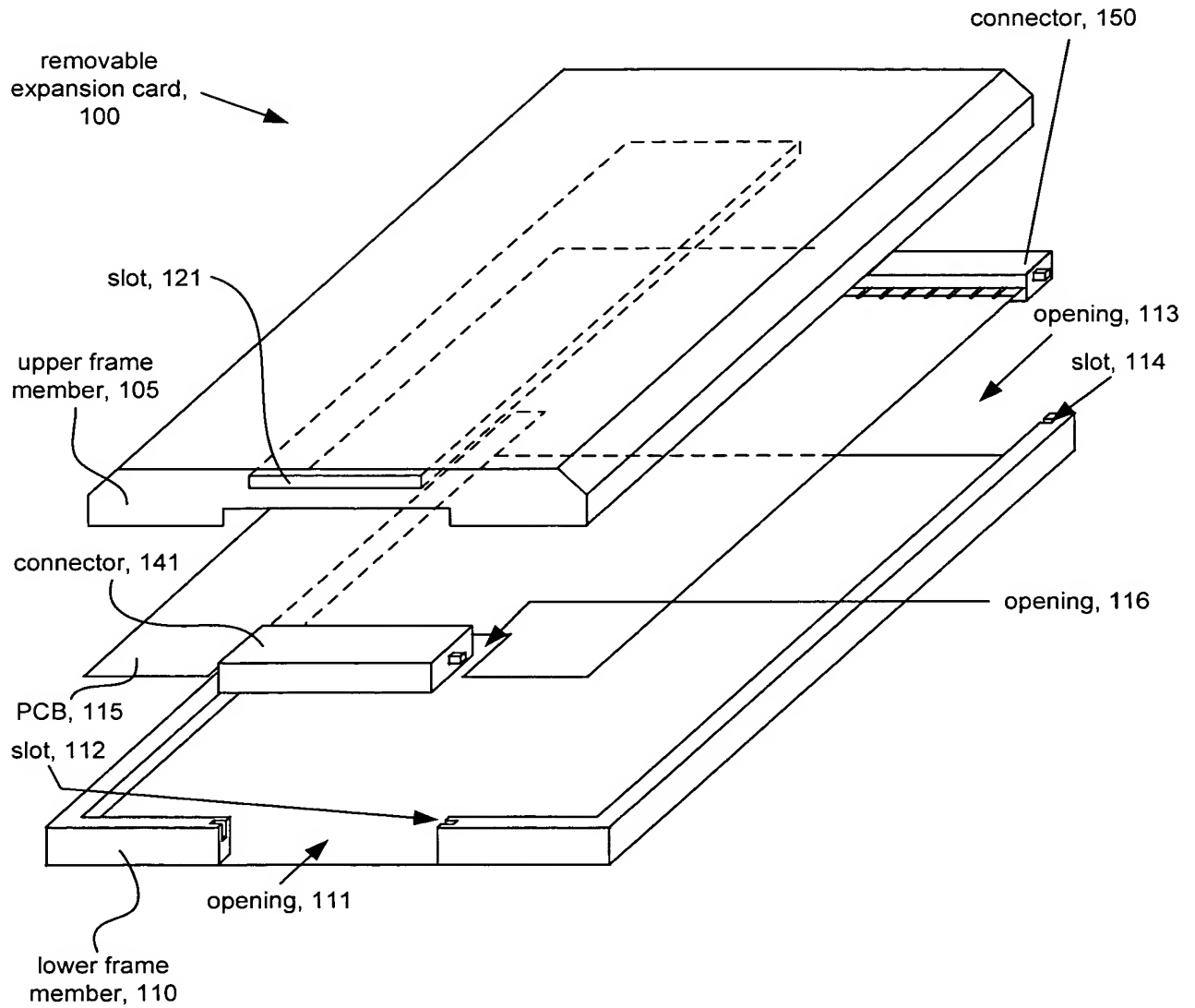


FIG. 11

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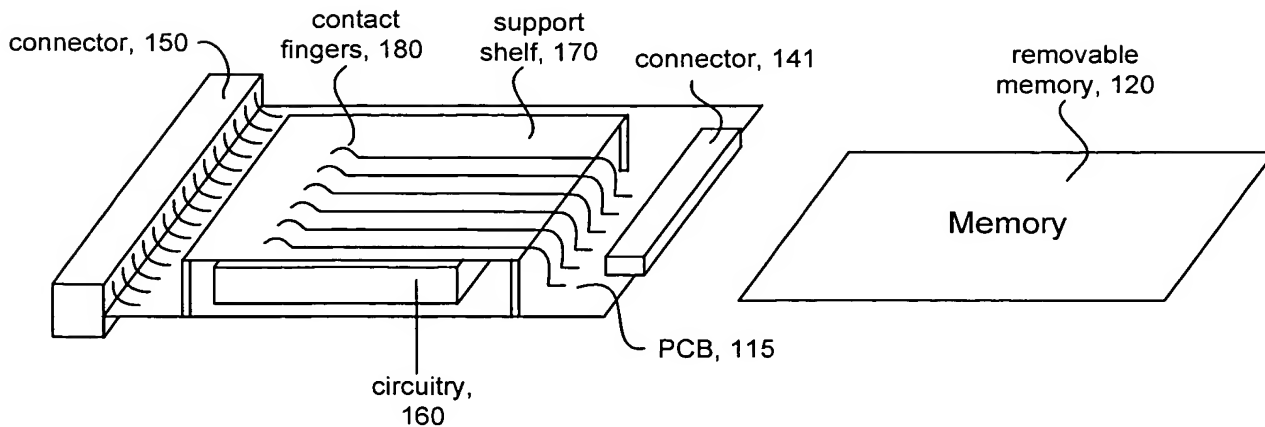


FIG. 12A

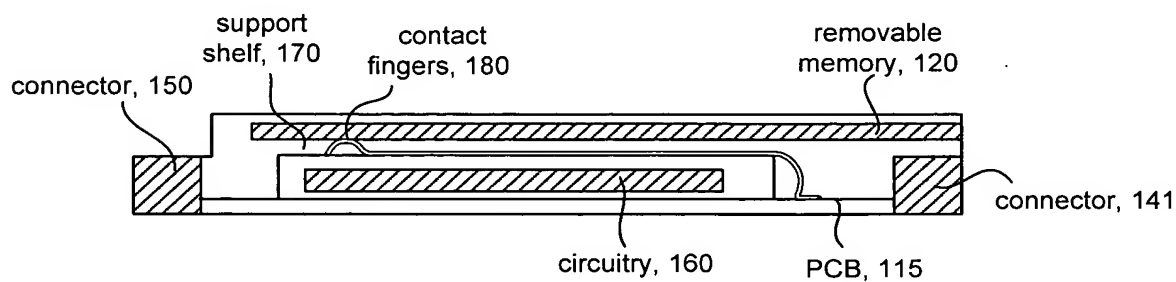


FIG. 12B

NESTED REMOVABLE-REMOVABLE EXPANSION MODULES

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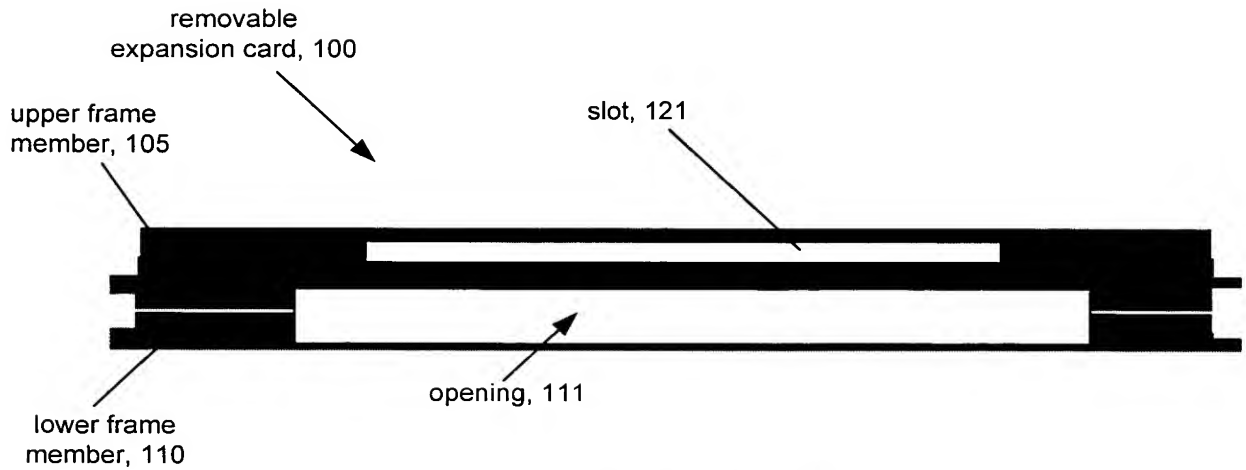


FIG. 13A

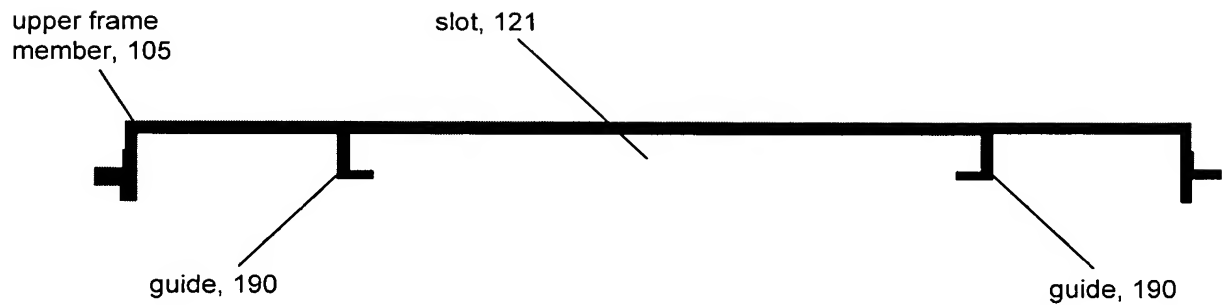


FIG. 13B